On semi-automated matching and integration of database schemas
Ünal-Karakas, Ö.

Citation for published version (APA):
Ünal Karakaş, Ö. (2010). On semi-automated matching and integration of database schemas

General rights
It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: http://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.
**Contents**

1 INTRODUCTION 1  
1.1 Motivation and Requirements Analysis 1  
1.2 Addressed Research Questions 7  
1.3 Objectives and Contributions of the Thesis 9  
1.4 Scope of the Research 10  
1.5 Research Method 11  
1.6 Outline of the Dissertation 12  

2 INTERLINKING AND INTEGRATING SCHEMAS - BACKGROUND 15  
2.1 Related Concepts 15  
2.2 Multidatabase Classification Based on Schema Coupling 20  
2.3 Schema Matching and Schema Integration 21  
2.4 Conclusion 27  

3 HETEROGENEITY 29  
3.1 Related Concepts 29  
3.2 Taxonomy of Heterogeneity Resulted Conflicts 30  
3.3 Challenges for Schema Matching 35  
3.4 Conclusion 39  

4 SASMINT APPROACH 41  
4.1 Related Research Approaches 41  
4.2 Proposed Approach: SASMINT 53  
4.3 Conclusion 92  

5 SASMINT DEVELOPMENT ARCHITECTURE 95  
5.1 Processing Steps of SASMINT 95  
5.2 Technologies Applied 95  
5.3 Main Components of the System 97  
5.4 How does the System Work? 97  
5.5 Conclusions 105